

IN THE CLAIMS:

Please cancel Claims 1 to 30 without prejudice to or disclaimer of the subject matter recited therein.

Please add new Claims 31 to 34, as follows:

Claims 1 to 30 (Cancelled).

31. (New) An image pickup apparatus comprising:

plural pixels arranged two-dimensionally:

a first addition portion which adds signals from a plurality of said plural pixels each outputting a first color signal; and

a second addition portion which adds signals from a plurality of said plural pixels each outputting a second color signal,

wherein the number of the plurality of pixels to be subjected to addition by the first addition portion selectively is made different from the number of the plurality of pixels to be subjected to addition by the second addition portion, so that a spatial color arrangement before the addition becomes the same as the spatial color arrangement after the addition.

32. (New) An apparatus according to Claim 31, wherein a positional range of the plurality of pixels each outputting the first color signal overlaps spatially with a positional range of the plurality of pixels each outputting the second color signal.

33. (New) An apparatus according to Claim 31, wherein the plurality of pixels each outputting the first color signal are arranged in a diagonal direction, and the plurality of pixels each outputting the second color signal are arranged in horizontal and vertical directions.

34. (New) An apparatus according to Claim 31, wherein the first color is green and the second color is red or blue.